

Title (en)

ANTENNA AND ELECTRONIC DEVICE HAVING THE SAME

Title (de)

ANTENNE UND ELEKTRONISCHE VORRICHTUNG DAMIT

Title (fr)

ANTENNE ET DISPOSITIF ÉLECTRONIQUE COMPRENANT CELLE-CI

Publication

EP 3051625 B1 20170712 (EN)

Application

EP 16153951 A 20160202

Priority

KR 20150016266 A 20150202

Abstract (en)

[origin: EP3051625A1] An antenna of an electronic device is provided. The antenna includes a substrate including a ground portion, an external metallic frame of the electronic device, a float ground portion arranged to be connected to the external metallic frame in a state of being disconnected from the substrate, and at least one radiator electrically connected to the float ground portion. Upon being fed with power, the at least one radiator may operate as an antenna radiator, or a section of the external metallic frame may operate as the antenna radiator.

IPC 8 full level

H01Q 1/24 (2006.01); **H01Q 1/48** (2006.01); **H01Q 5/378** (2015.01); **H01Q 21/30** (2006.01)

CPC (source: CN EP KR US)

H01Q 1/243 (2013.01 - EP KR US); **H01Q 1/244** (2013.01 - CN); **H01Q 1/36** (2013.01 - CN); **H01Q 1/48** (2013.01 - EP KR US); **H01Q 1/50** (2013.01 - CN); **H01Q 5/378** (2015.01 - EP US); **H01Q 9/0407** (2013.01 - KR); **H01Q 9/065** (2013.01 - KR); **H01R 24/58** (2013.01 - KR); **H01R 24/60** (2013.01 - KR); **H04M 1/026** (2013.01 - KR); **H01Q 21/30** (2013.01 - EP US)

Cited by

GB2560596A; JP2019004446A; CN107275756A; EP3764625A4; US11252851B2

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 3051625 A1 20160803; **EP 3051625 B1 20170712**; CN 105846050 A 20160810; CN 105846050 B 20200204; KR 102288451 B1 20210810; KR 20160094791 A 20160810; US 10199719 B2 20190205; US 2016226132 A1 20160804; WO 2016126074 A1 20160811

DOCDB simple family (application)

EP 16153951 A 20160202; CN 201610074199 A 20160202; KR 20150016266 A 20150202; KR 2016001114 W 20160202; US 201615013496 A 20160202